

Claims

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[illegible]

directing a call from the at least one other network to a subscriber at the first network to the gateway mobile switching center of the second network.

2. The method of claim 1, further comprising the step of querying, by the gateway mobile switching center of the second network, a home location register of the second network, for routing information for the call.

5 3. The method of claim 2, further comprising the step of, when routing information for the call is not available at the home location register of the second network, routing the call to the first network.

4. The method of claim 2, further comprising the step of, when routing
10 information for the call is not available at the home location register of the
second network, sending, to the gateway mobile switching center of the second
network, a notice that routing information for the call is not available.

15 5. The method of claim 2, further comprising the step of, when routing information for the call is available at the home location register of the second network, routing the call to the second network.

6. The method of claim 5, further comprising the step of sending, to a home location register of the first network, a message notifying the first network that a subscriber associated with the call is active on the second network.

7. The method of claim 1, wherein the first network is a time division multiple access network and the second network is a global system for mobile communications network.

8. The method of claim 1, further comprising the step of registering subscribers from the first network at a home location register of the second network.

9. The method of claim 8, further comprising the step of decommissioning the
30 first network when all the subscribers from the first network are registered at
the home location register of the second network.

10. A method comprising the steps of:

receiving, at a second network, a call directed to one of a first network and a second network, wherein the call originated at a third network;

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querying a home location register of the second network to obtain routing information for the call.

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11. The method of claim 10, further comprising the step of, when routing information for the call is not available at the home location register of the second network, routing the call to the first network.

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12. The method of claim 10, further comprising the step of, when routing information for the call is available at the home location register of the second network, routing the call to the second network.

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13. The method of claim 10, wherein the method steps are performed by a gateway mobile switching center.

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14. The method of claim 10, wherein the first network is a time division multiple access network and the second network is a global system for mobile communications network.

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15. The method of claim 10, wherein the home location register is a dual-mode home location register.

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FIG. 10 - 6869E660

16. An apparatus comprising:

5 a receiver arranged and constructed to receive a call directed to one of a first network and a second network;

a query device arranged and constructed to query a home location register of the second network to obtain routing information for the call.

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17. The apparatus of claim 16, further comprising a router arranged and constructed to route the call to the first network when routing information for the call is not available at the home location register of the second network.

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18. The apparatus of claim 16, further comprising a router arranged and constructed to route the call to a gateway mobile switching center of the first network when routing information for the call is not available at the home location register of the second network.

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19. The apparatus of claim 16, further comprising a router arranged and constructed to route the call to the second network when routing information for the call is available at the home location register of the second network.

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20. The apparatus of claim 16, further comprising a router arranged and constructed to route the call to one of the first network and the second network depending on the routing information for the call.

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21. The apparatus of claim 16, wherein the apparatus is a gateway mobile switching center.